SPORES

Edited by
HARLYN O. HALVORSON, RICHARD HANSON, AND
L. LEON CAMPBELL

A publication comprising the papers presented at the Fifth International Spore Conference, held at Fontana, Wisconsin, 8–10 October 1971.

This book contains reviews as well as reports of original and basic research in eight related areas of interest regarding spores.

- 1. Structure and chemical nature of spores.
- 2. Genetics of spore forms.
- 3. Biochemical changes during sporulation: Sporulation-related events.
- 4. Regulation of macromolecular synthesis during sporulation and outgrowth.
- 5. Ecology of spore forms.
- 6. Immunology of spores and spore forms.
- 7. Cryptobiosis: Dormancy and its alterations.
- 8. Biochemical mechanisms of germination.

This book will serve as a valuable resource book for investigators, teachers, students, industry, and libraries.

DUE MARCH 1972 \$10*

Publications Office

AMERICAN SOCIETY FOR MICROBIOLOGY
1913 I St., N.W.

Washington, D.C. 20006

* Members of ASM are entitled to purchase copies for personal use at the member price of \$5 per copy.

Position Available MEDICAL BACTERIOLOGIST Ph.D.

An excellent position is available for an experienced medical bacteriologist to conduct a major effort in the biological evaluation of antibiotics.

Requirements include doctorate level training in Microbiology, with additional training and/or experience in medical bacteriology. Candidate must be knowledgeable in current therapy of infectious diseases, especially bacterial diseases. Industrial experience will be a definite asset.

This position provides an excellent opportunity for present challenge and future growth for the practical, energetic scientist who is capable of independent work.

Our well equipped Microbiology laboratories are located in suburban Philadelphia. Salary is open; benefits are excellent including liberal relocation allowance.

Francis J. Beston
Director of Scientific Employment

Director of Scientific Employment

SK Smith Kline & French Laboratories

1518 Spring Garden St. Philadelphia, Pennsylvania 19101



MANUAL OF CLINICAL MICROBIOLOGY

Edited by JOHN E. BLAIR, Department of Microbiology, The Roosevelt Hospital, New York; EDWIN H. LENNETTE, Viral and Rickettsial Disease Laboratory, California Department of Public Health, Berkeley; and JOSEPH P. TRUANT, Department of Microbiology, Providence Hospital, Southfield, Michigan. With an expert editorial board of 16 members. Regular edition: \$12.00; student edition: \$7.00. Published by the American Society for Microbiology. Members of the Society may purchase copies of the regular edition at a 50% discount from the ASM Publications Office, 4715 Cordell Ave., Bethesda, Md. 20014.

This manual is designed to be used as a working reference guide in clinical microbiology for the teacher and technologist. It encompasses the fields of clinical bacteriology, mycology, virology, and parasitology. Currently accepted and proven methods are presented which permit the complete microbiological examination of clinical specimens. Procedures are given for the isolation and identification of the medically important bacteria, fungi, viruses, and parasites, with emphasis on those organisms which occur most frequently in infection in man, but with adequate consideration of the rarer forms.

General sections describe the collection and processing of specimens, nutritive and environmental requirements of microorganisms, selection and inoculation of culture media for primary isolation, quality control, formulas of culture media, reagents and stains, and staining procedures.

1970 704 pages

WILLIAMS & WILKINS, 428 E. Preston St., Baltimore, Md. 21202

Methods for Numerical Taxonomy

W. R. Lockhart and John Liston, Editors

The wide application of numerical methods to the study of bacterial classification during recent years has resulted in an almost bewildering variety of new techniques. The authors have drawn from the literature and from their own experience in producing this useful volume which describes some frequently used experimental methods. Without dwelling too much on underlying theoretical and philosophical arguments, they offer practical advice that should help students and workers unfamiliar with this field to evaluate the published results of others, and to select techniques applicable to their own work. Though intended primarily for microbiologists, the book should prove useful to anyone interested in numerical approaches to classification.

This small but important volume (58 pages plus index, paperbound) was prepared by the Taxonomy Committee (Subcommittee on Numerical Taxonomy) of ASM. The book comprises the following chapters:

- Introduction (John Liston)
- Collecting the Data (R. R. Colwell)
- Coding the Data (W. R. Lockhart)
- Analyzing the Data (C. Quadling)
- Presenting and Interpreting the Results (E. F. Lessel and J. G. Holt)

Available at \$3 per copy from:

Publications Office

American Society for Microbiology

4715 Cordell Ave.

Bethesda, Md. 20014

ANNOUNCING . .

*A*NTI*M*ICROBIA



Editor-in-Chief

Dr. Gladys L. Hobby, Scientific Director, Infectious Disease Research Institute, East Orange, New Jersey

Editors

Dr. Walter D. Celmer, Research Manager, Medical Research Laboratories, Pfizer Inc., Groton, Connecticut Dr. Joel G. Flaks, Associate Professor of Biochemistry, University of Pennsylvania School of Medicine, Philadelphia

Dr. Edward W. Hook, Professor and Chairman, Department of Medicine, University of Virginia School of Medicine, Charlottesville, Virginia

Dr. Leon H. Schmidt, Associate Director of Chemotherapy Research, Southern Research Institute, Birmingham, Alabama

AGENTS AND CHE

a new monthly publication of the

Microbiology

It is characteristic of the progress. .

of science that new knowledge in a particular field of study fosters greater interest which, in turn, is followed by further discovery. This is the spiral of scientific progress and, sooner or later, the new information being acquired demands a regular medium for communication.

This has now happened with research in the field of antimicrobial agents and chemotherapy. Up until recently, the American Society for Microbiology's annual publication kept up with major activity in the field. But new advances in the area are now too numerous to be adequately presented only once a year. Consequently, beginning in January 1972, the Society will publish a monthly interdisciplinary journal devoted to the dissemination of knowledge relating to all aspects of antimicrobial agents and chemotherapy, including cancer chemotherapy.

> **PROPOSED SECTION HEADINGS**

> > Chemistry

Biology and **Experimental Infections**

Mechanisms of Action and Resistance

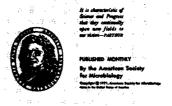
Pharmacology

Clinical Efficacy

VOLUME 1 . JANUARY 1972 . NUMBER 1

Antimicrobial Agents and Chemotherapy

A Publication of the American Society for Microbiology.



SUBSCRIPTION RATE:* \$40 per year (U.S.); \$41 per year (foreign).

For your subscription write: **Publications Office** American Society for Microbiology 1913 I St., N.W. Washington, D.C. 20006

* Members of ASM may receive the new journal as "part of their dues" and should subscribe when paying their annual dues.

International Journal of Systematic Bacteriology

Volume 21 (4) October 1971

Absolutely essential to those who must keep abreast of the ever-changing field of bacterial systematics

EDITORIAL BOARD

Erwin F. Lessel, Editor; H. P. R. Seeliger; V. B. D. Skerman, Chairman

	_
Designation of Type Strains for <i>Bifidobacterium</i> Species. G. REUTER	273
D. MATTEUZZI	276
Theoretical Deoxyribonucleic Acid Homology Between Strains in Rhizobium japonicum.	~~~
GERALD H. ELKAN and RICHARD A. USANIS	295
of the Neotype Strain. W. E. C. MOORE, ELIZABETH P. CATO, and LILLIAN V. HOLDEMAN.	
LILLIAN V. HOLDEMAN	299
tion of the Type Strain. LILLIAN V. HOLDEMAN, ELIZABETH P. CATO,	
and W. E. C. MOORE. Eubacterium aerofaciens (Eggerth) Prévot 1938: Emendation of Description and Desig-	304
nation of the Neotype Strain. W. E. C. MOORE, ELIZABETH P. CATO, and	
LILLIAN V. HOLDEMAN	307
Transfer of Sarcina Goodsir from the Family Micrococcaceae Pribram to the Family	011
Peptococcaceae Rogosa. MORRISON ROGOSA	311
Guillebeau. I. J. McDONALD	314
Serological Investigations of <i>Planococcus</i> Strains. PER OEDING	323
and R. E. KASTNER.	326
and R. E. KASTNER. Taxonomy of the Chlamydiae: Reasons for Classifying Organisms of the Genus	
Chlamydia, Family Chlamydiaceae, in a Separate Order, Chlamydiales ord. nov. JOHANNES STORZ and LESLIE A. PAGE	332
V	00-
Published Quarterly	
;=====================================	
ASM Publications Office	į
1913 St., N.W., Washington, D.C. 20006	ł
	Í
Please enter my subscription to the INTERNATIONAL JOURNAL OF SYSTEMATIC BACTERIOLOGY.	j
Check one:	į
Institution (\$12)	ļ
Personal (\$8)	į
Name	į
Address	į
City/State/Zip	ĺ
	i

New 12-place Dispens-O-Disc Dispenser for large petri dish

The newest in sensitivity testing is our lightweight 12-place D-O-D Dispenser for use with the 150 mm petri dish. The new Dispenser places 12 discs in an optimum pattern with equal distance between discs for accurate and unobstructed zone measurement with no coalescing.

The light, compact 7½"-high Dispenser assures easy one-hand operation. It is self-centering over the plate, providing a 12-disc pattern properly centered on the agar surface.

The 12-magazine D-O-D Dispenser is supplied with a moisture proof storage container with indicator desiccant.

Same Dispens-O-Disc magazine fits both 8- and 12-magazine dispensers



